

Internation Application No PCT/EP 03/03651

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F16B19/10 B21k B21K1/60 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) F16B B21K IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° Y EP 0 677 666 A (AVDEL SYSTEMS LTD) 6 18 October 1995 (1995-10-18) figure 1 Y GB 2 332 722 A (EMHART INC) 1-10 30 June 1999 (1999-06-30) cited in the application claims 1,5,6; figures 1,2 1-10 Υ US 5 183 357 A (PALM ERICH) 2 February 1993 (1993-02-02) abstract; figures 1,2,8,9,12-15 1-8 GB 876 255 A (OLYMPIC SCREW & RIVET CORP) Α 30 August 1961 (1961-08-30) figures 3,6-8 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. X X Special categories of cited documents: *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another dtation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 01/08/2003 24 July 2003 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Bousquet, K



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Internation Application No PCT/EP 03/03651

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